

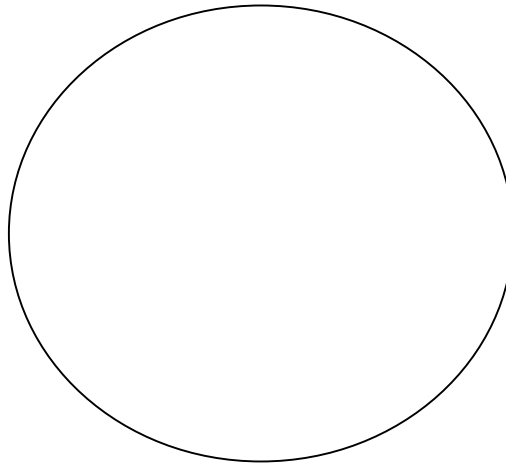
## Biotic Communities of Arizona

Use the "Exploring Arizona's Natural Resources" Web site or CD to complete the table.

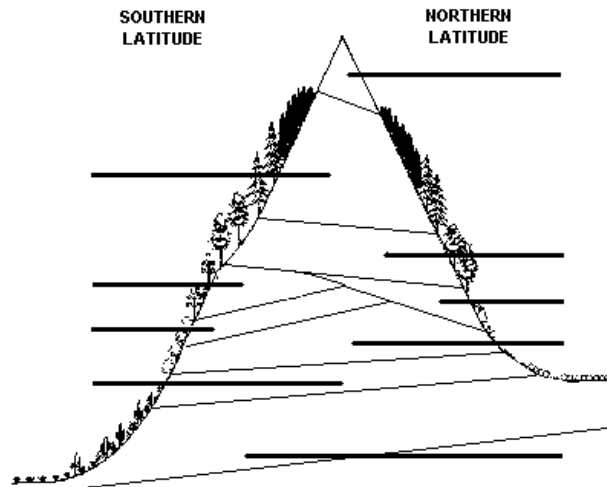
Table 1: Biotic Communities of Arizona

Biotic Community	Elevation Min	Elevation Max	Precipitation	Approximate Area (cm <sup>2</sup> )	Percent of Arizona
Alpine Tundra					
Fir Forest					
Pine Forest					
Pinyon-Juniper					
Oak-Pine					
Oak-Woodland					
Mountain Grassland					
Plains Grassland					
Desert Grassland					
Great Basin Desert					
Mohave Desert					
Sonoran Desert					
Chihuahuan Desert					
Total					100

In the space below, make a circle graph showing the percentage that each biotic community occupies in Arizona.



Label the illustration below with the correct biotic communities.



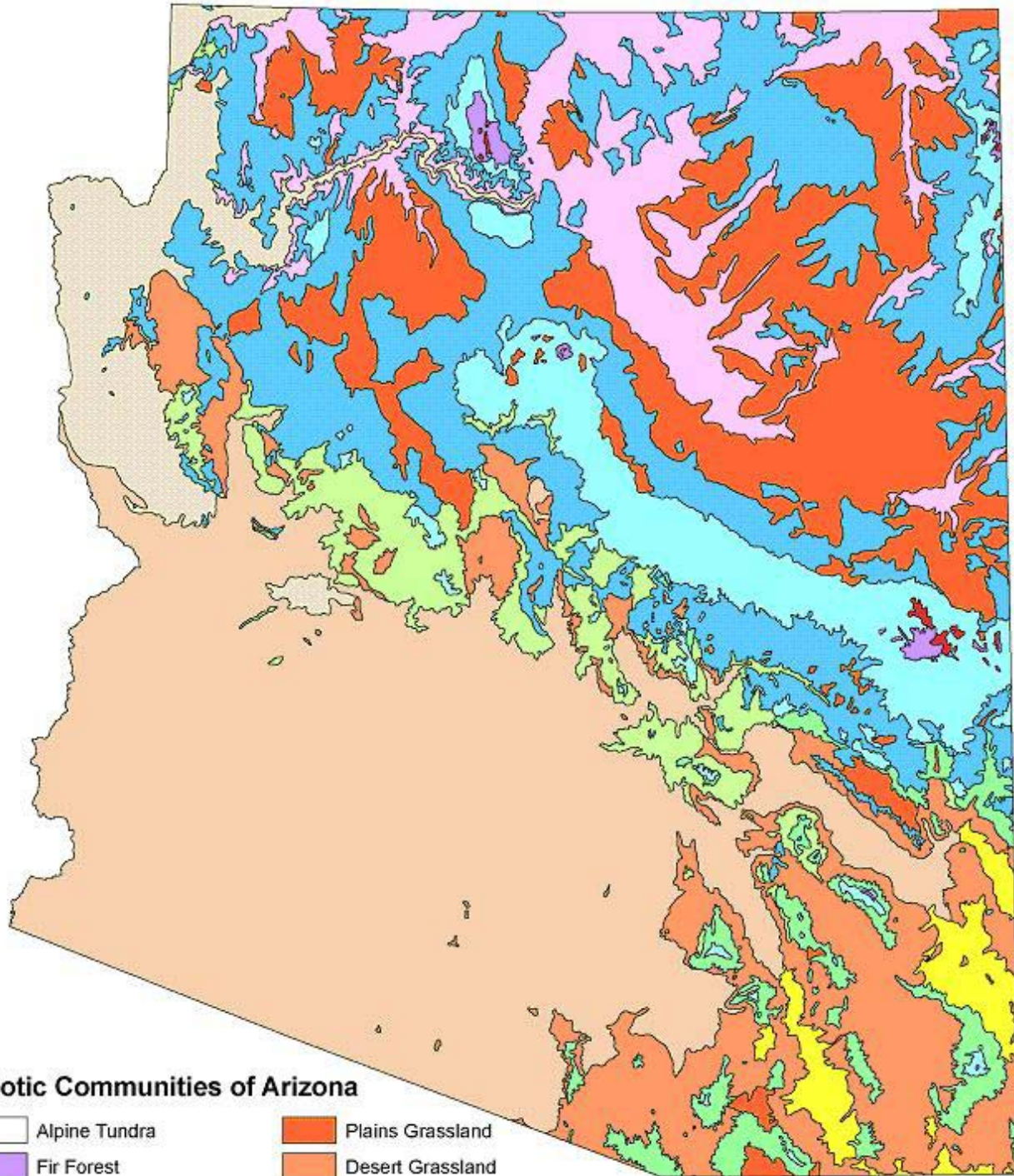
## Exploring Biomes

1. In which biotic community do you live?
2. Using your knowledge of world biomes, place the biotic communities of Arizona into their appropriate biomes.

Rainforest	Savanna	Desert	Chaparral	Grassland	Deciduous Forest	Boreal Forest	Tundra

3. In your own words, explain why dividing Arizona into smaller communities is easier than dividing the world into smaller communities.
4. What percentage of Arizona is covered by desert?
5. What percentage of Arizona gets at least 12 inches of rain, on average, each year?
6. According to the Biodiversity Hotspot idea mentioned in the previous lesson, how much of Arizona is at the most immediate risk of being lost? Explain.
7. According to the Endangered Biomes idea mentioned in the previous lesson, how much of Arizona is at the most immediate risk of being lost? Explain. *(Note: Let's define a biotic community at immediate risk as one in which five times more land has been converted than has been protected.)*
8. If you could visit any biotic community in Arizona, which would it be and why? Give at least three reasons to support your answer.





### Biotic Communities of Arizona

	Alpine Tundra		Plains Grassland
	Fir Forest		Desert Grassland
	Pine Forest		Great Basin Desert
	Pinyon - Juniper		Mohave Desert
	Oak Woodland / Oak - Pine		Chihuahuan Desert
	Chaparral		Sonoran Desert
	Mountain Grassland		



Adapted from "Biotic Communities of the Southwest,"  
August 1980, by David E. Brown and Charles H. Lowe